

ABSTRACT**PHASED ARRAY ANTENNA**

5 A phased array antenna for a telecommunications satellite, that is
deployable from a retracted condition to a deployed condition when the satellite
is on-station, comprising a base member of hexagonal form, and a plurality of
deployable antenna panels stacked one on top of the other on the base
member in the retracted condition, each antenna panel being connected to a
10 respective side edge region of the base by means of a respective back flap
hinge, and the hinges having pivot points that are offset relative to one another,
such that the antenna panels can be hinged sequentially one after the other
from the stack to a position in which each panel is adjacent a respective base
side edge region to provide an extended flat two-dimensional area when
15 deployed.

Figure 2G